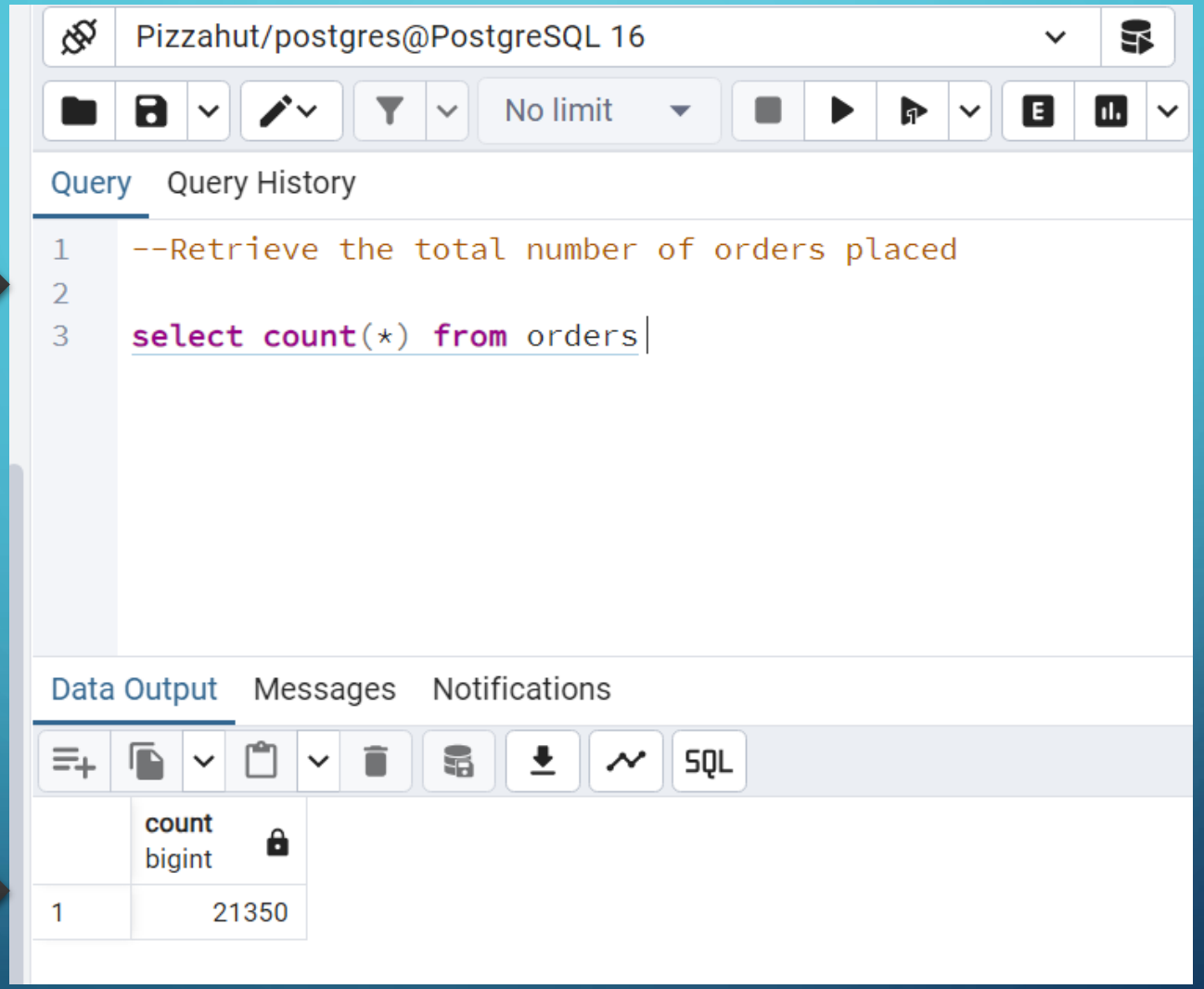
DATA MASTERY WITH SQL: CRAFTING EFFICIENT QUERIES

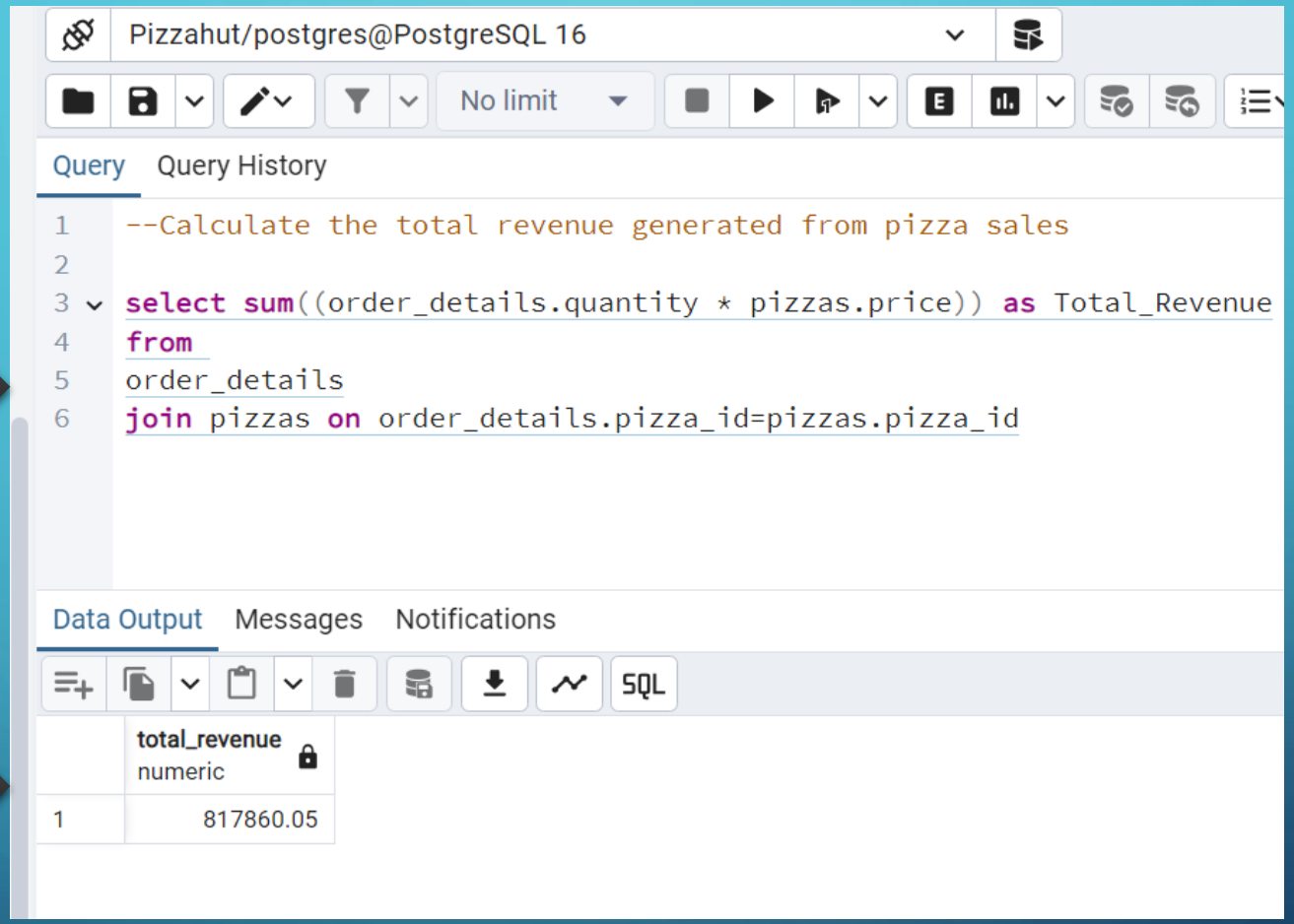
INPUT QUERY

OUTPUT



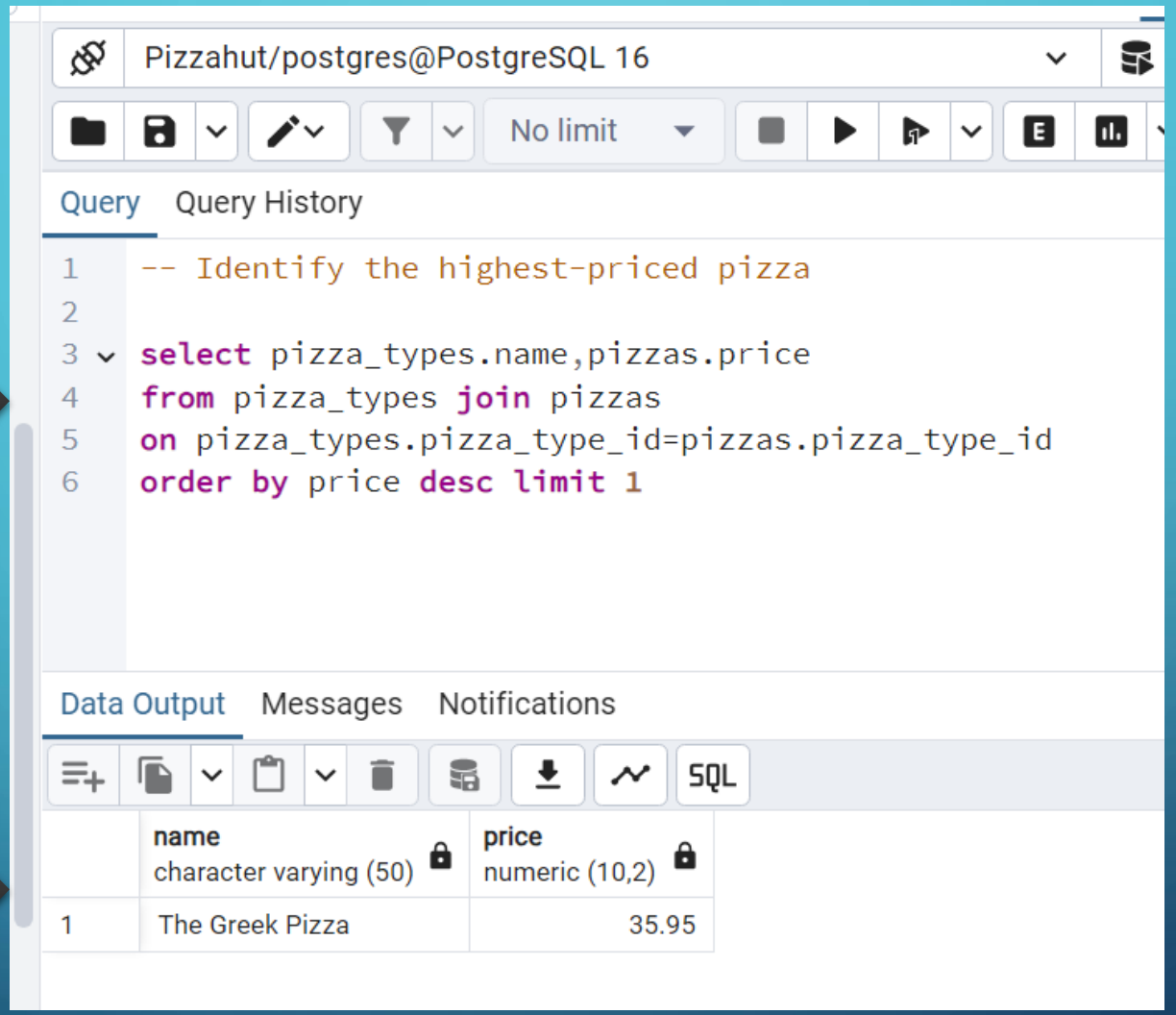
INPUT QUERY

OUTPUT



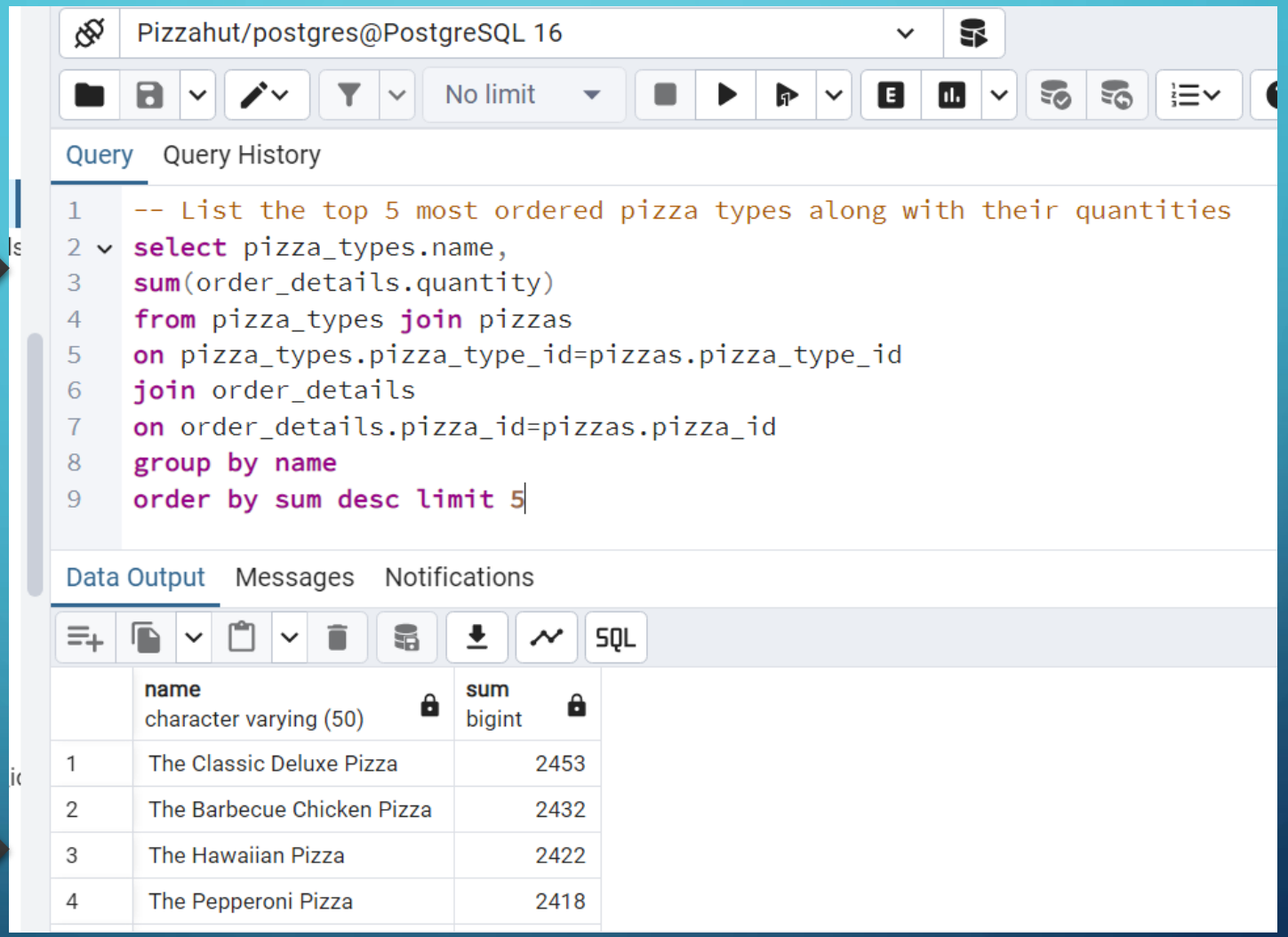
INPUT QUERY

OUTPUT



INPUT QUERY

OUTPUT



INPUT QUERY

OUTPUT

Pizzahut/postgres@PostgreSQL 16

No limit

Query | Query History

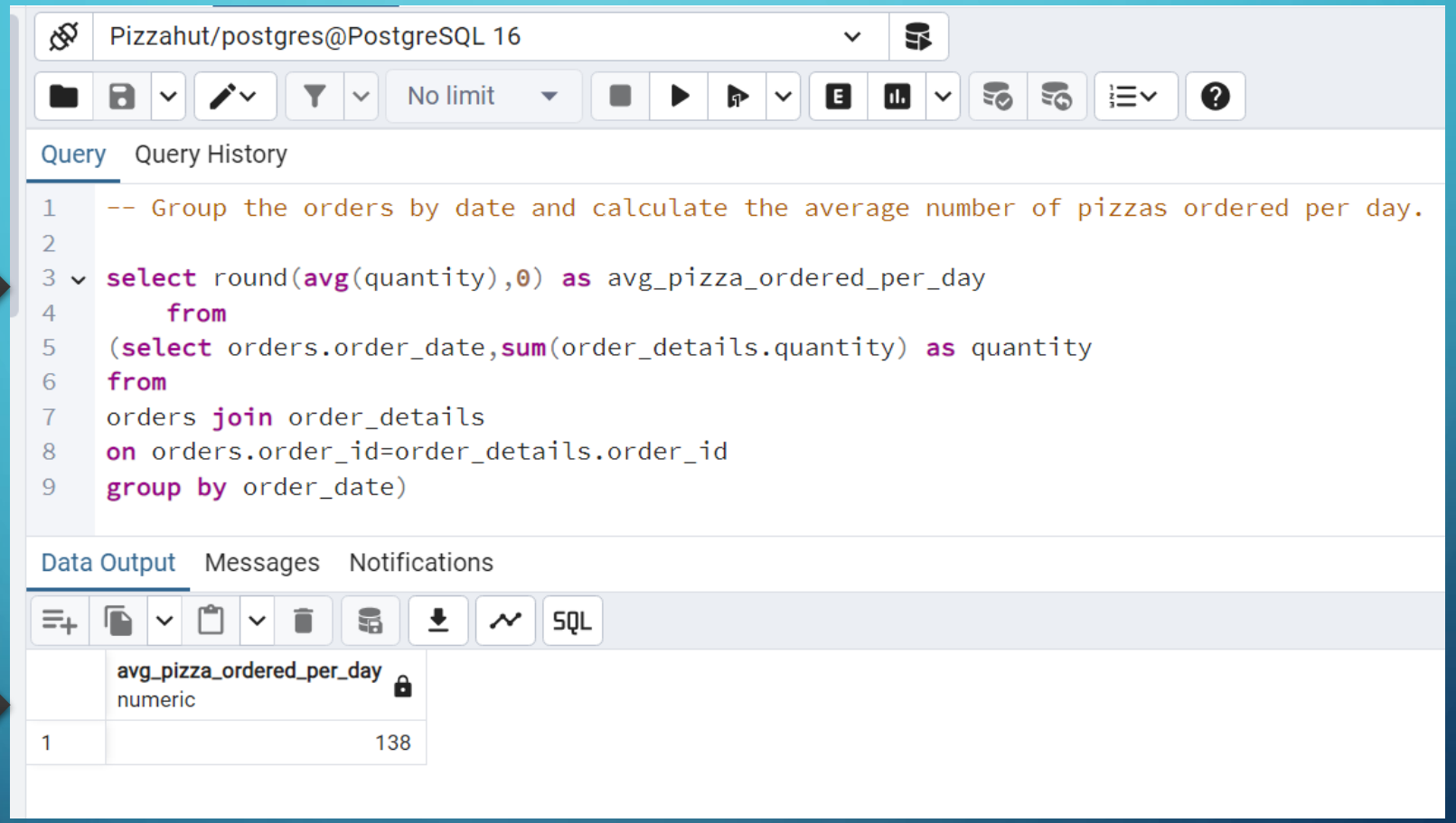
```
1  -- Join the necessary tables to find the total quantity of each pizza category ordered.
2
3  select pizza_types.category,
4  sum(order_details.quantity) from pizza_types
5  join pizzas
6  on pizza_types.pizza_type_id=pizzas.pizza_type_id
7  join order_details
8  on order_details.pizza_id=pizzas.pizza_id
9  group by category order by sum(order_details.quantity) desc
```

Data Output | Messages | Notifications

	category character varying (50)	sum bigint
1	Classic	14888
2	Supreme	11987
3	Veggie	11649
4	Chicken	11050

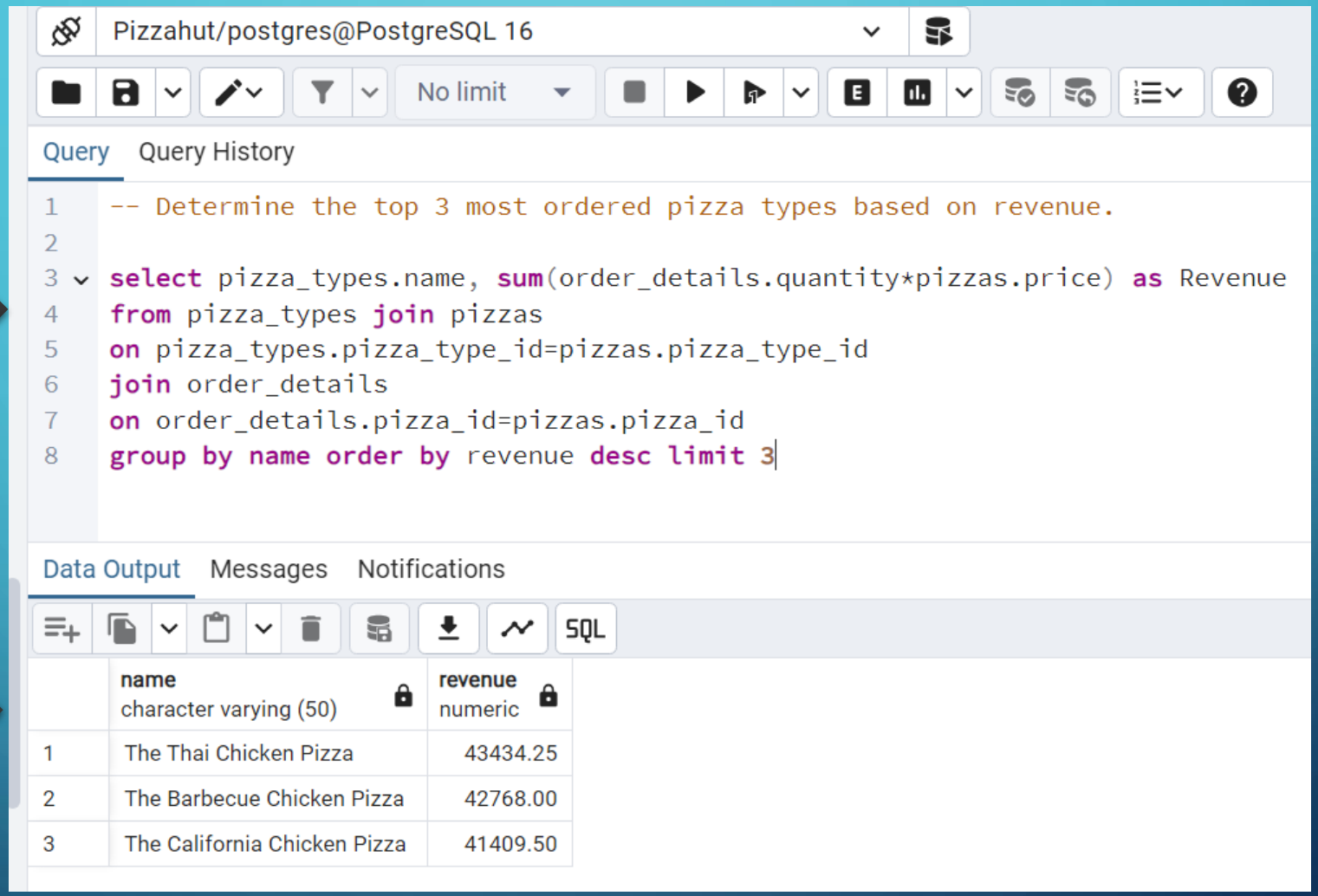
INPUT QUERY

OUTPUT



INPUT QUERY

OUTPUT



	name character varying (50)	revenue numeric
1	The Thai Chicken Pizza	43434.25
2	The Barbecue Chicken Pizza	42768.00
3	The California Chicken Pizza	41409.50

INPUT QUERY

OUTPUT

Pizzahut/postgres@PostgreSQL 16

No limit

Query | Query History

```
1  -- Calculate the percentage contribution of each pizza type to total revenue.
2  select pizza_types.category, round(sum(order_details.quantity*pizzas.price)/(select
3      sum(order_details.quantity*pizzas.price) from order_details
4      join pizzas on
5      order_details.pizza_id=pizzas.pizza_id)*100,2) as Revenue_Percentage
6  from pizza_types join pizzas
7  on pizza_types.pizza_type_id=pizzas.pizza_type_id
8  join order_details
9  on order_details.pizza_id=pizzas.pizza_id
10 group by category order by Revenue_Percentage desc limit 4
```

Data Output | Messages | Notifications

SQL

	category character varying (50)	revenue_percentage numeric
1	Classic	26.91
2	Supreme	25.46
3	Chicken	23.96
4	Veggie	23.68

INPUT QUERY

OUTPUT

Pizzahut/postgres@PostgreSQL 16

No limit

Query | Query History

```sql
-- Analyze the cumulative revenue generated over time.
select revenue_table.order_date,
    sum(revenue) over(order by revenue_table.order_date) as Cum_revenue
from
    (select orders.order_date, sum(order_details.quantity*pizzas.price) as revenue
from orders join order_details
on orders.order_id=order_details.order_id
join pizzas
on pizzas.pizza_id=order_details.pizza_id
group by orders.order_date order by orders.order_date) as revenue_table
```

Data Output | Messages | Notifications

SQL

	order_date date	cum_revenue numeric
1	2015-01-01	2713.85
2	2015-01-02	5445.75
3	2015-01-03	8108.15
4	2015-01-04	9863.60

INPUT QUERY

OUTPUT